

USDA-RD HAMP PER ISSUES MEETING AGENDA

Date/Time: 10 July 2013, 8:00 A.M.

Venue: IHS/EADO Conference Room
5448 S. Hwy 260, Ste. 220
Lakeside AZ

Purpose: Clarify the IHS' planned completion of the HAMP PER submittal to USDA

8:00 Introduce attendees, etc. (Brad Rea)

8:10 Up-date on BIA HAMP involvement (Josh Van Vleet, Adam Hughes, Robert Lorenz)

- a. Proposed BIA/BIE Tribal-Loan funding scenario
 - i. Loan repayment deferral until system start-up
 - ii. Affects of IHS/HUD/USEPA funding on USDA-RD grant/loan formula
- b. Connection of Keams Canyon and Hopi HS to become HAMP customers
- c. Hopi 2nd. Mesa Day School to connect as customer of Sipaulovi Water Association

8:30 USDA-RD B/C analyses to be included in HAMP PER (Josh Van Vleet, Adam Hughes)

- a. Recently proposed HAMP engineering revisions
 - i. Relocation of WST
 - ii. Fewer booster pumps
- b. HAMP Phase I and HAMP Phase II

9:00 Alternatives for comparing regional HAMP option with individual AS-removal treatment plant option, *Present Value* (PV) and *Capital Recovery* (CR). (Kerry Brough)

- a. Pipeline and WST longevity (>20-years) versus other HAMP system components
- b. HAMP system longevity >>> AS treatment facility longevity
- c. Sunken cost recovery (component cost salvage values?)

9:40 10-minute break

9:50 Options for calculation of HAMP PV. (Brad Rea, Kerry Brough)

- a. The "base" system
 - i. Adjust strategic plan cost tables (capital and O&M) to reflect tribal directive to utilize on-site generator power instead of grid-based power supply
 - ii. Include capital and O&M costs of regional system BIA capacity

- b. Complete PV (or CR?) analysis for the “base” system (Report A)
 - i. Omit O&M and capital costs for piping extension from Polacca to Keams Canyon
 - ii. Omit O&M and capital costs for piping extension from Polacca to Hopi HS and from Sipaulovi to 2nd. Mesa Day School
- c. Complete alternative analysis to include BIA connections for PV determinations and the strategic plan (Report B)
 - i. Include O&M and capital costs for piping extension from Polacca to Keams Canyon
 - ii. Include O&M and capital costs for piping extension from Polacca to Hopi HS and from Sipaulovi to 2nd. Mesa Day School

10:30 Arsenic Treatment Plant options (Josh Van Vleet, Adam Hughes)

- a. AS speciation, pH and vanadium
- b. Keams Canyon AS removal facility
 - i. Type of treatment system
 - ii. Local operation issues
 - iii. O&M costs
- c. AS removal facility requirements for individual HAMP villages
 - i. Additional pipes, tanks, wells, etc.
 - ii. Village utility provision of facility O&M
 - iii. Regulatory requirements (AS MCL = 10 ppb, but could be reduced in future)

11:15 Individual treatment facility O&M management scenarios (Brad Rea)

- a. PV estimates based on equipment/infrastructure replacement frequencies
- b. Replacement frequencies determined by operational practice and financial management
 - i. Facility O&M conducted by individual village utilities
 - ii. Facility O&M conducted through village-contracted O&M services
 - iii. Facility O&M conducted through HPUA-contracted O&M services

11:30 Working lunch

- i. Q&A with/by USDA-RD staff
- ii. Q&A with/by Kerry Brough

12:30 Monthly HOPI/USEPA conference call w/ HAMP issues first on the agenda